

Datasheet for ABIN7550868  
**PLAA Protein (AA 1-795) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PLAA
Protein Characteristics:	AA 1-795
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLAA protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant PLAA Protein expressed in mammalian cells.
Sequence:	<p>MTSGATRYRL SCSLRGHELD VRGLVCCAYP PGAFVSVSRD RTTRLWAPDS PNRSFTEMHC          MSGHSNFVSC VCIIPSSDIY PHGLIATGGN DHNICIFSLD SPMPYLKLG HKNTVCSLSS          GKFGTLLSGS WDTTAKVWLN DKCMMTLQGH TAAVWAVKIL PEQGLMLTGS ADKTVKLWKA          GRCERTFSGH EDCVRGLAIL SETEFLSCAN DASIRRWQIT GECLEVYYGH TNYIYSISVF          PNCRDFVTTA EDRSLRIWKH GECAQTIRLP AQSIWCCCVL DNGDIVVGAS DGIIRVFTES          EDRTASAEI KAFEKELSHA TIDSKTGD LG DINAELPGR EHLNEPGTRE GQTRLIRDGE          KVEAYQWSVS EGRWIKIGDV VGSSGANQQT SGKVL YEGKE FDYVFSIDVN EGGPSYKLPY          NTSDDPWLTA YNFLQKNDLN PMFLDQVAKF IIDNTKGQML GLGNPSFSDP FTGGGRYVPG          SSGSSNTLPT ADPFTGAGRY VPGSASMGT MAGVDPFTGN SAYRSAASKT MNIYFPKKEA          VTFDQANPTQ ILGKLEKELNG TAPEEKLTE DDLILLEKIL SLICSSSEK PTVQQLQILW          KAINCPEDIV FPALDILRLS IKHPSVNFENF CNEKEGAQFS SHLINLLNPK GKPANQLLAL          RTFCNCFVGQ AGQKLMMSQR ESLMSHAIEL KSGSNKNIHI ALATLALNYS VCFHKDHNIE</p>

## Product Details

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GKAQCLSLIS TILEVQDLE ATRFLLVALG TLISDDSNV QLAKSLGVDS QIKKYSSVSE

PAKVSECCRF ILNLL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

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**Target:** PLAA

**Alternative Name:** PLAA ([PLAA Products](#))

**Background:** Phospholipase A-2-activating protein (PLA2P) (PLAP),FUNCTION: Plays a role in protein ubiquitination, sorting and degradation through its association with VCP (PubMed:27753622). Involved in ubiquitin-mediated membrane proteins trafficking to late endosomes in an ESCRT-dependent manner, and hence plays a role in synaptic vesicle recycling (By similarity). May play a role in macroautophagy, regulating for instance the clearance of damaged lysosomes (PubMed:27753622). Plays a role in cerebellar Purkinje cell development (By similarity). Positively regulates cytosolic and calcium-independent phospholipase A2 activities in a tumor

## Target Details

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necrosis factor alpha (TNF-alpha)- or lipopolysaccharide (LPS)-dependent manner, and hence prostaglandin E2 biosynthesis (PubMed:18291623, PubMed:28007986).  
{ECO:0000250|UniProtKB:P27612, ECO:0000269|PubMed:18291623, ECO:0000269|PubMed:27753622, ECO:0000269|PubMed:28007986}.

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Molecular Weight: 87.2 kDa

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UniProt: [Q9Y263](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months